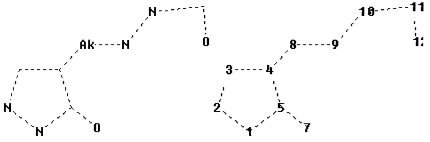
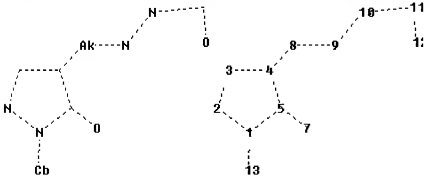
```
=>
Uploading C:\Program Files\Stnexp\Queries\10530482-rce.str
```

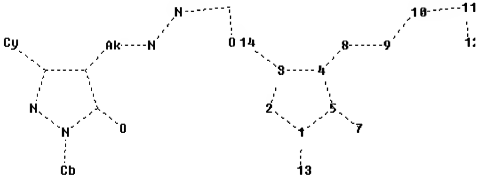



```
chain nodes :
7  8  9  10  11  12
ring nodes :
1  2  3  4  5
chain bonds :
4-8  5-7  8-9  9-10  10-11  11-12
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  2-3  3-4  4-5  4-8  5-7  8-9  9-10  10-11  11-12
isolated ring systems :
containing 1 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
11:CLASS
12:CLASS

L1      STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10530482-rce-narrow.str
```



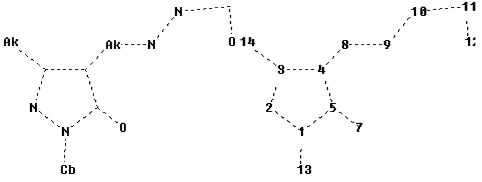

```
chain nodes :
7  8  9  10  11  12  13
ring nodes :
1  2  3  4  5
chain bonds :
1-13  4-8  5-7  8-9  9-10  10-11  11-12
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-13  2-3  3-4  4-5  4-8  5-7  8-9  9-10  10-11  11-12
```

```
isolated ring systems :
containing 1 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
11:CLASS
12:CLASS  13:Atom
Generic attributes :
13:
Saturation              : Unsaturated

L6      STRUCTURE UPLOADED


=>
Uploading C:\Program Files\Stnexp\Queries\10530482-rce-narrow-1.str
```




```
chain nodes :
7  8  9  10  11  12  13  14
ring nodes :
1  2  3  4  5
chain bonds :
1-13  3-14  4-8  5-7  8-9  9-10  10-11  11-12
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-13  2-3  3-4  3-14  4-5  4-8  5-7  8-9  9-10  10-11  11-12
isolated ring systems :
containing 1 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
11:CLASS
12:CLASS  13:Atom  14:CLASS
Generic attributes :
13:
Saturation              : Unsaturated
14:
Saturation              : Unsaturated

L13     STRUCTURE UPLOADED


=>
```

Uploading C:\Program Files\Stnexp\Queries\10530482-rce-narrow-2.str

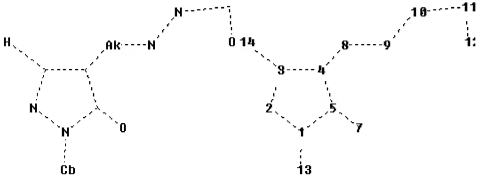


chain nodes :
7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5
chain bonds :
1-13 3-14 4-8 5-7 8-9 9-10 10-11 11-12
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-13 2-3 3-4 3-14 4-5 4-8 5-7 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS
12:CLASS 13:Atom 14:CLASS
Generic attributes :
13:
Saturation : Unsaturated
14:
Saturation : Saturated

L14 STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10530482-rce-narrow-3.str



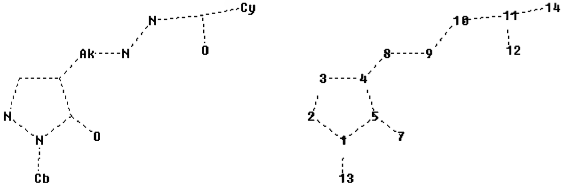
chain nodes :

7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5
chain bonds :
1-13 3-14 4-8 5-7 8-9 9-10 10-11 11-12
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-13 2-3 3-4 3-14 4-5 4-8 5-7 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS
12:CLASS 13:Atom 14:CLASS
Generic attributes :
13:
Saturation   : Unsaturated

L15   STRUCTURE UPLOADED

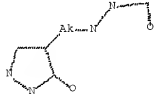
=>
Uploading C:\Program Files\Stnexp\Queries\10530482-rce-narrowBF.str



chain nodes :
7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5
chain bonds :
1-13 4-8 5-7 8-9 9-10 10-11 11-12 11-14
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-13 2-3 3-4 4-5 4-8 5-7 8-9 9-10 10-11 11-12 11-14
isolated ring systems :
containing 1 :

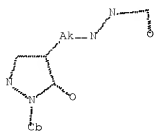
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS
12:CLASS 13:Atom 14:Atom

```
Generic attributes :
13:
Saturation              : Unsaturated
14:
Saturation              : Unsaturated

L28     STRUCTURE UPLOADED



     FILE 'REGISTRY' ENTERED AT 10:37:26 ON 12 JUN 2008
L1               STRUCTURE UPLOADED
L3          1179 S L1 SSS FULL

L6               STRUCTURE UPLOADED
L8          1094 S L6 SSS FULL SUB=L3

     FILE 'CAPLUS' ENTERED AT 10:39:20 ON 12 JUN 2008
L10            1 S US200!-530482/APPS

     FILE 'REGISTRY' ENTERED AT 10:44:31 ON 12 JUN 2008
L13              STRUCTURE UPLOADED
L14              STRUCTURE UPLOADED
L15              STRUCTURE UPLOADED
L17           93 S L13 SSS FULL SUB=L8
L18          986 S L14 SSS FULL SUB=L8
L19            1 S L15 SSS FULL SUB=L8
L20         1080 S L17 OR L18 OR L19

L28              STRUCTURE UPLOADED
L30          716 S L28 SSS FULL SUB=L20

     FILE 'CAPLUS' ENTERED AT 10:52:29 ON 12 JUN 2008
L31           76 S L30
L32           75 S L31 NOT L10

     FILE 'REGISTRY' ENTERED AT 10:52:50 ON 12 JUN 2008

=> d l1
L1 HAS NO ANSWERS
L1               STR
```



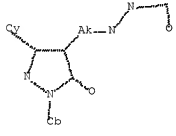

```
Structure attributes must be viewed using STN Express query preparation.


=> d l6
L6 HAS NO ANSWERS
```

L6 STR



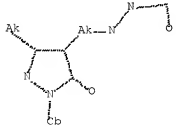
Structure attributes must be viewed using STN Express query preparation.

=> d l13
L13 HAS NO ANSWERS
L13 STR



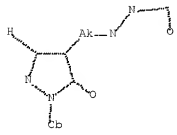
Structure attributes must be viewed using STN Express query preparation.

=> d l14
L14 HAS NO ANSWERS
L14 STR



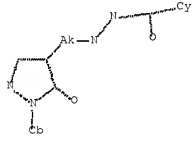
Structure attributes must be viewed using STN Express query preparation.

=> d l15
L15 HAS NO ANSWERS
L15 STR



Structure attributes must be viewed using STN Express query preparation.

=> d l28
L28 HAS NO ANSWERS
L28 STR



Structure attributes must be viewed using STN Express query preparation.

=> fil caplus

=> d l10 bib abs

√ L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN - INSTANT
AN 2004:333700 CAPLUS Full-text
DN 140:357335
TI Preparation of pyrazolone compounds as thrombopoietin receptor activators
IN Miyaji, Katsuaki; Ishiwata, Norihisa; Nakamura, Takanori
PA Nissan Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 275 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2004033433	A1	20040422	WO 2003-JP12985	20031009
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003269497	A1	20040504	AU 2003-269497	20031009
	EP 1549618	A1	20050706	EP 2003-751429	20031009
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2006506452	T	20060223	JP 2005-501024	20031009
	US 20060069140	A1	20060330	US 2005-530482	20050406 <--
PRAI	JP 2002-296468	A	20021009		
	JP 2003-278811	A	20030724		
	JP 2003-285316	A	20030801		
	WO 2003-JP12985	W	20031009		

√L32 ANSWER 1 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Polyhedron √ (2007), Volume Date 2008, 27(1), 12-24

√L32 ANSWER 2 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Journal of Thermal Analysis and Calorimetry √ (2007), 89(2), 547-553

√L32 ANSWER 3 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Inorganica Chimica Acta √ (2007), 360(11), 3504-3510

√L32 ANSWER 4 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

PA Nissan Chemical Industries, Ltd., Japan

	PATENT NO.	KIND	DATE	√APPLICATION NO.	DATE
PI	WO 2007052808	A1	20070510	WO 2006-JP322193	20061107
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
PRAI	JP 2005-322114	A	20051107		

√L32 ANSWER 5 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Inorganica Chimica Acta √ (2007), 360(8), 2638-2646

√L32 ANSWER 6 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Acta Crystallographica, Section E: Structure Reports Online √ (2007), E63(4), o2005-o2006

√L32 ANSWER 7 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Journal of Molecular Structure √ (2007), 833(1-3), 133-144

√L32 ANSWER 8 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Cancer Letters (Amsterdam, Netherlands) √ (2007), 249(2), 256-270

√L32 ANSWER 9 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

PA √Kalypsys, Inc., USA

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007008529	A2	20070118	WO 2006-US26197	20060706
	WO 2007008529	A3	20070823		
PRAI	US 2005-697687P	P	√20050708		
	US 2005-727652P	P	20051017		
	US 2006-781972P	P	20060313		

√L32 ANSWER 10 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Analytical Sciences: X-Ray Structure Analysis Online √ (2006), 22(12), x289-x290

√L32 ANSWER 11 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

√PA USA (Univ. S. Calif)

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20060235034	A1	20061019	US 2005-265593	20051101
	US 20060142294	A1	20060629	US 2004-27465	20041229
PRAI	US 2004-624253P	P	√20041101		
	US 2004-27465	A2	20041229		

√L32 ANSWER 12 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO E-Journal of Chemistry √ (2005), 2(6), 21-29

√L32 ANSWER 13 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Journal of Organometallic Chemistry √ (2006), 691(20), 4159-4166

√L32 ANSWER 14 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

√PA University of Southern California, USA

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006091246	A1	20060831	WO 2005-US39687	20051101
PRAI	US 2004-624253P	P	√20041101		
	US 2004-27465	A	20041229		
	WO 2005-US39687	W	20051101		

√L32 ANSWER 15 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Progress in Crystal Growth and Characterization of Materials √ (2006), 52(1-2), 142-149

√L32 ANSWER 16 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Lanzhou Daxue Xuebao, Ziran Kexueban √ (2004), 40(6), 51-54

√L32 ANSWER 17 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Inorganica Chimica Acta √ (2006), 359(2), 633-641

√L32 ANSWER 18 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

Physical, Theoretical & Analytical Chemistry √ (2005), 44A(9), 1812-1816

√L32 ANSWER 19 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Jiegou Huaxue √ (2005), 24(9), 1091-1095

√L32 ANSWER 20 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Journal of Chemical Crystallography √ (2005), 35(8), 583-588

√L32 ANSWER 21 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Molecular Cancer Therapeutics √ (2005), 4(7), 1105-1113

√L32 ANSWER 22 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Yingyong Huaxue √ (2005), 22(4), 372-376

√L32 ANSWER 23 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

√PA Cornell Research Foundation, Inc., USA

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005037213	A2	20050428	WO 2004-US33914	20041014
	WO 2005037213	A3	20060713		
PRAI	US 2003-510843P	P	√20031014		
	WO 2004-US33914	W	20041014		

√L32 ANSWER 24 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Thermochimica Acta √ (2005), 429(1), 31-42

√L32 ANSWER 25 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Asian Journal of Chemistry √ (2005), 17(1), 581-586

√L32 ANSWER 26 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Structural Chemistry √ (2004), 15(4), 327-331

√L32 ANSWER 27 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry √ (2004), 34(3), 417-428

√L32 ANSWER 28 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

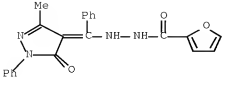
SO Jiegou Huaxue √ (2004), 23(1), 112-118

√L32 ANSWER 29 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Jiegou Huaxue (2003), 22(5), 568-572

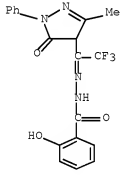
RN 654663-70-4 CAPLUS

CN 2-Furancarboxylic acid, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)phenylmethyl]hydrazide (CA INDEX NAME)



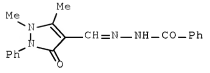
√

L32 ANSWER 30 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:754447 CAPLUS Full-text
DN 140:303580
TI Synthesis, characterization and bacteriostatic activity of compound derived from PMTFP and salicylic hydrazide
AU Zhang, Shu-ming; Jia, Yong-jin; Wang, Jin-ling; Miao, Fang-ming
CS College of Chemistry and Life Science, Tianjin Normal University, Tianjin, 300074, Peop. Rep. China
SO Tianjin Shifan Daxue Xuebao, Ziran Kexueban (2003), 23(2), 4-6
CODEN: TSDXAD; ISSN: 1671-1114
PB Tianjin Shifan Daxue Xuebao, Ziran Kexueban Bianjibu
DT Journal
LA Chinese
OS CASREACT 140:303580
AB A Schiff base derived from 1-phenyl-3-methyl-4-trifluoroacetyl-5- pyrazolone (PMTFP) and salicylic hydrazide have been synthesized and characterized by IR and UV. This compound showed good inhibiting activities for both Gram-pos. bacteria-Staphylococcus aureus and Gram-neg. bacteria-Escherichia coli.
IT 676481-96-2P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis and bacteriostatic activities of Schiff base from PMTFP and salicylic hydrazide)
RN 676481-96-2 CAPLUS
CN Benzoic acid, 2-hydroxy-, 2-[1-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-2,2,2-trifluoroethylidene]hydrazide (CA INDEX NAME)



L32 ANSWER 31 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:715166 CAPLUS Full-text
DN 140:209355
TI Complexes of Copper(II) with 2,3-Dimethyl-4-formyl(benzhydrazide)-1-phenyl-3-pyrazolin-5-one
AU Raju, K. C.; Radhakrishnan, P. K.
CS School of Chemical Sciences, Mahatma Gandhi University, Kerala, India
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2003), 33(8), 1307-1318
CODEN: SRIMCN; ISSN: 0094-5714
PB Marcel Dekker, Inc.

DT Journal
LA English
OS CASREACT 140:209355
GI



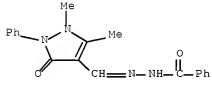
I

AB Copper(II) complexes of the Schiff base 2,3-dimethyl-4- formyl(benzhydrazide)-1-phenyl-3-pyrazolin-5-one (L = I) [Cu(L)2]X2(X = ClO4 or NO3), [Cu(L)Cl2] and [Cu(L)2Br2] were synthesized and characterized by elemental analyses, molar conductance in nonaq. solvents, IR, electronic and EPR spectra, as well as magnetic susceptibility measurements. In these complexes, the ligand acts as a neutral bidentate unit coordinating through the azomethine nitrogen atom and the carbonyl oxygen of the pyrazolone ring. In the perchlorate and nitrate complexes both anions remain ionic, while in the corresponding halide complexes both anions are coordinated to the metal ion. The perchlorate, nitrate and chloride complexes are of square-planar geometry while the bromide complex is of distorted octahedral geometry.

IT 76644-54-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant for preparation of copper(II) formylpyrazolinone benzoylhydrazone complexes)

RN 76644-54-7 CAPLUS

CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L32 ANSWER 32 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:483572 CAPLUS Full-text

DN 139:245944

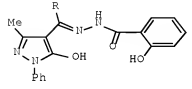
TI Synthesis and crystal structure of supramolecular compound of 4-(a'-hydroxybenzoylhydrazinyl)benzal/ethylidene-5-methyl-2-phenyl-2,4-dihydropyrazol-3-one

AU Liu, Lang; Ji, Ya-Li; Jia, Dian-Zeng; Yu, Kai-Bei

CS Institute of Applied Chemistry, Xinjiang University, Urumqi, 830046, Peop. Rep. China

SO Huaxue Xuebao (2003), 61(6), 893-900

CODEN: HHHPA4; ISSN: 0567-7351
PB Kexue Chubanshe
DT Journal
LA Chinese
OS CASREACT 139:245944
GI



I

AB The synthesis and crystal structure of title compds. I (R = Ph, Me) are presented in this paper. The crystal structures were determined by X-ray single crystal diffraction study. Crystal structure of I (R = Ph) belongs to monoclinic system with space group C2/c. The unit cell parameters are a = 1.4201(2) nm, b = 1.65542(2) nm, c = 1.8455(3) mn, β = 10132(1)°, V = 4.2541(10) nm3, Z = 8, Dc = 1.344 g/cm3, μ = 0.094 mm-1, F(000) = 1808, R = 0. 0442, wR = 0. 1037. The water mols. bridge the adjacent stacks by the hydrogen bonds leading to the formation of supramol. compound with two-dimensional network structure along the ac side. The crystal structure of II (R = Me) belongs to triclinic system with space group P.hivin.1. The unit cell parameters are a = 1.2120(2) nm, b = 1.2223(2) nm, c = 1.4159(3) nm, α = 70.38(1)°, β = 74.91(1)°, γ = 63.64(1)°, V = 1.7549(5) nm3, Z = 4, Dc = 1.326 g/cm3, μ = 0.092 mm-1, F(000) = 736, R = 0.0436, wR = 0.1076. The supramol. with one dimensional chain structure was formed through hydrogen bonds along the a axis. The mols. piled the layered structure along the b axis due to intermol. interactions.

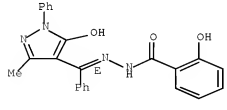
IT 599166-78-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis and crystal structure of supramol. compound of hydroxybenzoylhydrazinylbenzalidenemethylphenyldihydropyrazolone)

RN 599166-78-6 CAPLUS

CN Benzoic acid, 2-hydroxy-, (2E)-2-[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (CA INDEX NAME)

Double bond geometry as shown.



IT 599166-81-1P

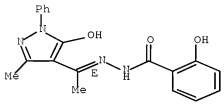
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

(synthesis and crystal structure of supramol. compound of hydroxybenzoylhydrazinylethylidenemethylphenyldihydropyrazolone)

RN 599166-81-1 CAPLUS

CN Benzoic acid, 2-hydroxy-, (2E)-2-[1-(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)ethylidene]hydrazide (CA INDEX NAME)

Double bond geometry as shown.

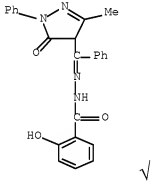


√L32 ANSWER 33 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Wuji Huaxue Xuebao (2003), 19(4), 345-349

RN 387829-06-3 CAPLUS

CN Benzoic acid, 2-hydroxy-, 2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (CA INDEX NAME)



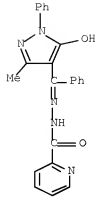
√

√L32 ANSWER 34 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

√SO Indian Journal of Chemistry, Section A: Inorganic, Bio-inorganic, Physical, Theoretical & Analytical Chemistry (2002), 41A(12), 2544-2547

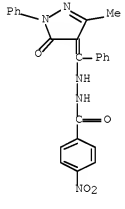
√RN 508167-98-4 CAPLUS

CN 2-Pyridinecarboxylic acid, 2-[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (CA INDEX NAME)



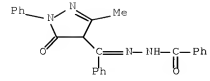
√

√L32 ANSWER 35 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Jiegou Huaxue (2002), 21(5), 553-556
RN 502968-21-0 CAPLUS
CN Benzoic acid, 4-nitro-, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)phenylmethyl]hydrazide (CA INDEX NAME)



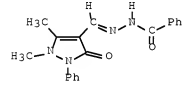
√

√L32 ANSWER 36 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2002), 32(5), 903-912
CODEN: SRIMCN; ISSN: 0094-5714
RN 183113-24-8 CAPLUS
CN Benzoic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



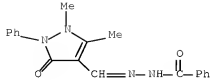
√

L32 ANSWER 37 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:448805 CAPLUS Full-text
DN 137:178904
TI Yttrium and lanthanide nitrate complexes of 2,3-dimethyl-4-formyl(benzhydrazide)-1-phenyl-3-pyrazoline-5-one
AU Ajithkumar, G.; Radhakrishnan, P. K.
CS School of Chemical Sciences, Mahatma Gandhi University, Kottayam, 686560, India
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2002), 32(4), 831-842
CODEN: SRIMCN; ISSN: 0094-5714
PB Marcel Dekker, Inc.
DT Journal
LA English
OS CASREACT 137:178904
GI



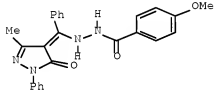
I

AB Complexes of yttrium and lanthanide nitrates with the Schiff base 2,3-dimethyl-4-formyl(benzhydrazide)-1-phenyl-3-pyrazoline-5-one (I, L) were synthesized and characterized by elemental analyses, elec. conductance in nonaq. solvents and electronic as well as IR spectra. The complexes have the general mol. formulas [Ln(L)2(NO3)](NO3)2 (Ln = Y, La, Pr, Nd, Sm, Eu, Gd, Dy, Ho or Er). The ligand chelates with the metal ion in a neutral tridentate fashion through both carbonyl oxygens and the azomethine nitrogen in all of these complexes. One of the nitrate ions is monodentately coordinated and the other two remain as counterions. A coordination number of seven is assigned to the metal in all of these complexes. The covalency parameters evaluated from solid and solution phase electronic spectra suggest weak covalent character of the metal-ligand bond.
IT 76644-54-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and IR spectra of yttrium and rare earth nitrato complexes of antipyrinecarboxaldehyde benzhydrazide Schiff base)
RN 76644-54-7 CAPLUS
CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



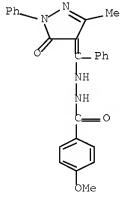
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

√L32 ANSWER 38 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2002), 32(4), 739-751



I √

AB A new tridentate ligand (I) with ONO donor atoms and its complexes were prepared and characterized from elemental analyses, IR, UV spectra, thermal analyses and cyclic voltammetry. Spectral data show that the complexes conform to the general exptl. formula ML2·nH2O [M = Mn(II), Co(II), Ni(II), Zn(II), Cd(II); HL = N-(1-phenyl-3-methyl-4-benzal-5-pyrazolone)-p-methoxybenzoylhydrazine (I)].
RN 382594-33-4 CAPLUS
CN Benzoic acid, 4-methoxy-, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)phenylmethyl]hydrazide (CA INDEX NAME)



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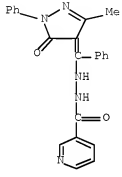
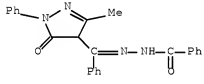
√L32 ANSWER 39 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Huaxue Xuebao (2001), 59(9), 1495-1501
RN 331238-77-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)phenylmethyl]hydrazide (CA INDEX NAME)



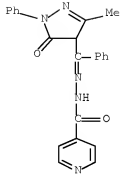
√

√L32 ANSWER 40 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Chemical Journal on Internet [online computer file] (2001), 3(4), No pp. given
RN 183113-24-8 CAPLUS
CN Benzoic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



√

√L32 ANSWER 41 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Polyhedron (2000), 19(26-27), 2599-2604
RN 329247-15-6 CAPLUS
CN 4-Pyridinecarboxylic acid, 2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (CA INDEX NAME)



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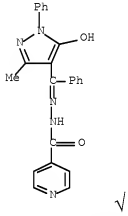
√L32 ANSWER 42 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2000), 30(7), 1265-1271
RN 191219-04-2 CAPLUS
CN 4-Pyridinecarboxylic acid, [(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



√

L32 ANSWER 43 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:431992 CAPLUS Full-text
DN 133:237910
TI Synthesis of novel benzoquinone and hydroquinone derivatives bearing different heterocyclic systems as potential antimicrobial agents
AU Chaaban, I.; Bekhit, A. A.; Abdet-Ghany, Y. S.
CS Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
SO Egyptian Journal of Pharmaceutical Sciences (1999), Volume Date 1998, 39(1-3), 91-107
CODEN: EJPSBZ; ISSN: 0301-5068
PB National Information and Documentation Centre
DT Journal
LA English

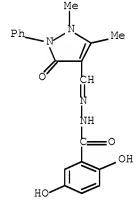
AB Hydroquinonecarbonyl and benzoquinonecarbonyl derivs. of aminothiazolidinones and pyrazolidinediones were prepared Th compds. showed good to excellent antibacterial and antifungal activity with the hydroquinones showing better activity than the benzoquinones.

IT 131624-94-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(benzoquinone and hydroquinonecarbonyl derivs. of aminothiazolidinones and pyrazolidinediones as fungicides and bactericides)

RN 131624-94-7 CAPLUS

CN Benzoic acid, 2,5-dihydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)

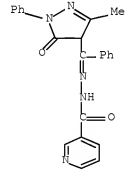


√L32 ANSWER 44 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Journal of Photochemistry and Photobiology, A: Chemistry (2000), 134(1-2), 23-29

RN 286966-14-1 CAPLUS

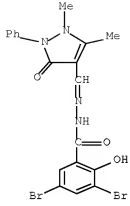
CN 3-Pyridinecarboxylic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



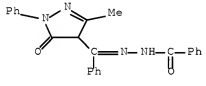
√

L32 ANSWER 45 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1999:397267 CAPLUS Full-text
DN 131:193889
TI Cyclin-dependent kinases: initial approaches to exploit a novel therapeutic target
AU Sausville, Edward A.; Zaharevitz, Daniel; Gussio, Robert; Meijer, Laurent; Louarn-Leost, Maryse; Kunick, Conrad; Schultz, Robert; Lahusen, Tyler; Headlee, Donna; Stinson, Sherman; Arbuck, Susan G.; Senderowicz, Adrian
CS Developmental Therapeutics Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, Rockville, MD, 20852, USA
SO Pharmacology & Therapeutics (1999), 82(2-3), 285-292
CODEN: PHTHDT; ISSN: 0163-7258
PB Elsevier Science Inc.
DT Journal
LA English
AB Cyclin-dependent kinases (CDKs) have been recognized as key regulators of cell cycle progression. Alteration and deregulation of CDK activity are pathogenic hallmarks of neoplasia. Therefore, inhibitors or modulators would be of interest to explore as novel therapeutic agents in cancer, as well as other hyperproliferative disorders. Flavopiridol is a semisynthetic flavonoid that emerged from an empirical screening program as a potent antiproliferative agent that mechanistic studies demonstrated to directly inhibit CDKs 1, 2, and 4 as a competitive ATP site antagonist. Initial clin. trials have shown that concns. that inhibit cell proliferation and CDK activity in vitro can be safely achieved in humans, and addnl. clin. trials will establish its clin. potential. To address the need for addnl. chemotypes that may serve as lead structures for drugs that would not have the toxicities associated with flavopiridol, compds. with a similar pattern of cell growth inhibitory activity in the National Cancer Institute's in vitro anticancer drug screen have been recognized by the computer-assisted pattern recognition algorithm COMPARE and then screened for anti-CDK activity in a biochem. screen. The benzodiazepine derivative NSC 664704 (7,12-dihydro-indolo[3,2-d][1]benzazepin-6(5H)-one) was revealed by that approach as a moderately potent (IC50 0.4 μM) inhibitor of CDK2, which in initial expts. shows evidence of causing cell cycle redistribution in living cells. NSC 664704 is, therefore, a candidate for further structural optimization, guided in part by understanding of the ATP-binding site in CDK2. This approach represents one way of combining empirical screening information with structure-based design to derive novel candidate therapeutic agents directed against an important cellular target.
IT 101868-30-8, NSC 651704
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cyclin-dependent kinases: initial approaches to exploit a novel therapeutic target)
RN 101868-30-8 CAPLUS
CN Benzoic acid, 3,5-dibromo-2-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)

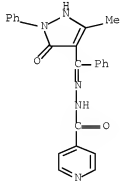


√L32 ANSWER 46 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Structural Chemistry (1999), 10(2), 105-119
RN 183113-24-8 CAPLUS
CN Benzoic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



√

√L32 ANSWER 47 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1999), 29(2), 205-214
RN 221524-99-8 CAPLUS
CN 4-Pyridinecarboxylic acid, [(2,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



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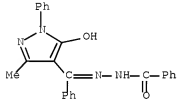
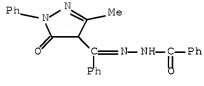
√L32 ANSWER 48 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Polyhedron (1997), 16(11), 1825-1829
RN 191219-02-0 CAPLUS
CN Benzoic acid, [(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



√

√L32 ANSWER 49 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (1997), 52(2), 237-242
RN 183113-24-8 CAPLUS
CN Benzoic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



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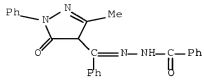
√L32 ANSWER 50 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (1996), 51(9), 1240-1244
RN 183113-24-8 CAPLUS
CN Benzoic acid, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide (9CI) (CA INDEX NAME)



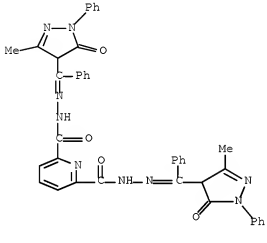
√

√L32 ANSWER 51 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Transition Metal Chemistry (London) (1996), 21(4), 345-348

RN 182220-70-8 CAPLUS

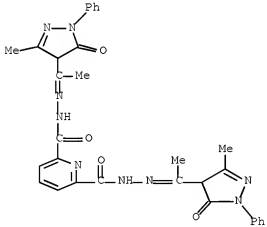
CN 2,6-Pyridinedicarboxylic acid, bis[[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide] (9CI) (CA INDEX NAME)



√

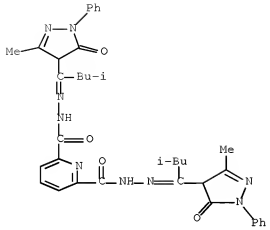
RN 182220-72-0 CAPLUS

CN 2,6-Pyridinedicarboxylic acid, bis[[1-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)ethylidene]hydrazide] (9CI) (CA INDEX NAME)

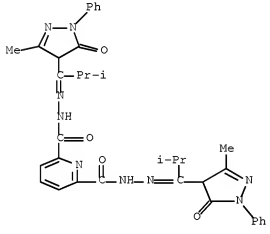


RN 182220-74-2 CAPLUS

CN 2,6-Pyridinedicarboxylic acid, bis[[1-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-3-methylbutylidene]hydrazide] (9CI) (CA INDEX NAME)



RN 182220-76-4 CAPLUS
CN 2,6-Pyridinedicarboxylic acid, bis[[1-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-2-methylpropylidene]hydrazide] (9CI) (CA INDEX NAME)



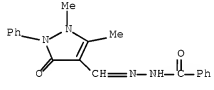
L32 ANSWER 52 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1996:64171 CAPLUS Full-text
DN 124:218523
OREF 124:40073a,40076a
TI Complexes of some platinum Group metals with hydrazone ligands and their catalytic oxidative properties
AU El-Hendawy, A. M.; Al-Kubaisi, A. H.; Shoair, A. F.
CS Chemistry Department, University of Qatar, Doha, Qatar
SO Monatshefte fuer Chemie (1995), 126(12), 1291-302
CODEN: MOCMB7; ISSN: 0026-9247
PB Springer
DT Journal
LA English

AB New complexes of Ru(II), Ru(III), Os(III), and Pd(II) were prepared with a neutral bidentate hydrazone ligand derived from antipyrine-4- carboxaldehyde and benzoylhydrazine. Ru(III) complexes were also synthesized from monobasic bidentate ligands prepared from benzaldehyde and benzoyl or para-substituted benzoylhydrazines. The complexes were characterized by spectroscopic techniques and investigated by cyclic voltammetry. The efficient catalytic oxidation of alcs. and 3,5-di-tert-butylcatechol in the presence of N-methylmorpholine-N-oxide or m-chloroperbenzoic acid as cooxidants was reported.

IT 76644-54-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(for preparation of platinum-group hydrazone complexes)

RN 76644-54-7 CAPLUS

CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



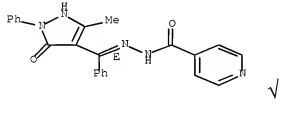
√L32 ANSWER 53 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

SO Indian Journal of Chemistry, Section A: Inorganic, Bio-inorganic, Physical, Theoretical & Analytical Chemistry (1991), 30A(4), 382-4

RN 134646-18-7 CAPLUS

CN 4-Pyridinecarboxylic acid, [(2,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)phenylmethylene]hydrazide, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



√

L32 ANSWER 54 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:61995 CAPLUS Full-text

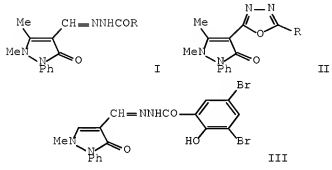
DN 114:61995

OREF 114:10635a,10638a

TI Potential antibacterial agents. Part II. Synthesis of substituted N-antipyrinyl methylenebenzohydrazides and 2-antipyrinyl-5-aryl-1,3,4-oxadiazoles

AU Begum, Tahira; Hussain, Shaheen A.; Sultana, Naheed; Murtaza, Najma; Qureshi, Izhar H.

CS PCSIR Lab. Complex, Karachi, Pak.
SO Pakistan Journal of Scientific and Industrial Research (1989), 32(11), 722-5
CODEN: PSIRAA; ISSN: 0030-9885
DT Journal
LA English
OS CASREACT 114:61995
GI

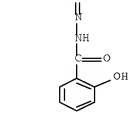


AB Condensation of 4-formylantipyrine with substituted benzohydrazides H2NNHCOR (R = Ph, substituted Ph) afforded substituted antipyrinylmethylenebenzohydrazides I. On treatment with bromine-acetic acid-sodium acetate, I (R = Ph, 4-MeC6H4, 4-MeOC6H4, 4-ClC6H4) readily cyclized to 2-antipyrinyl-5-aryl-1,3,4-oxadiazoles II, whereas I (R = 2-HOC6H4), under similar treatment furnished the hitherto unreported dibromo compound III. Antibacterial activity of the compds synthesized was also evaluated. They did not show any significant activity.

IT 102017-61-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and bromination of)

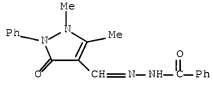
RN 102017-61-8 CAPLUS

CN Benzoic acid, 2-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)

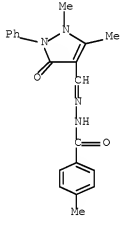


IT 76644-54-7P 131536-11-3P 131536-12-4P
131536-13-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and sequential bromination and intramol. cyclization of, oxadiazole derivative from)

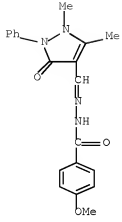
RN 76644-54-7 CAPLUS
CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



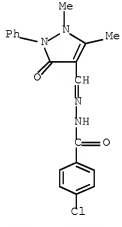
RN 131536-11-3 CAPLUS
CN Benzoic acid, 4-methyl-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 131536-12-4 CAPLUS
CN Benzoic acid, 4-methoxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 131536-13-5 CAPLUS
CN Benzoic acid, 4-chloro-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



L32 ANSWER 55 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1991:61992 CAPLUS Full-text
DN 114:61992
OREF 114:10635a,10638a
TI Synthesis of substituted 2,3-dihydro-1,3,4-oxadiazole derivatives containing a substituted pyrazole moiety as potential anti-inflammatory agents
AU Farghaly, Ahmed M.; Chaaban, Ibrahim; El-Khawass, El-Sayeda M.; Fahmy, Salwa M.
CS Fac. Pharm., Univ. Alexandria, Alexandria, Egypt
SO Alexandria Journal of Pharmaceutical Sciences (1989), 3(2), 158-60
CODEN: AJPSES; ISSN: 1110-1792
DT Journal
LA English
GI

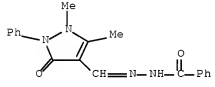
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Pyrazolecarboxaldehyde benzoylhydrazones I and II (R = H, OH; R1 = H, OH, OMe, NH2, R2 = H, OH) were prepared by the condensation of the corresponding pyrazolecarboxaldehydes with 2,4,5-RR1R2C6H2CONHNH2. Treating I with Ac2O gave pyrazolyloxadiazoles III (R = H, OAc, R1 = H, OAc, OMe, NHAc, R2 = H, OAc).

IT 76644-54-7P 102017-61-8P 131536-12-4P
131624-93-6P 131624-94-7P 131643-74-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

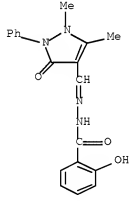
RN 76644-54-7 CAPLUS

CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



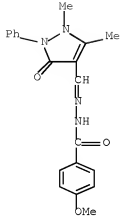
RN 102017-61-8 CAPLUS

CN Benzoic acid, 2-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)

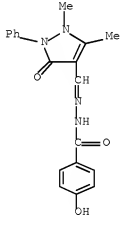


RN 131536-12-4 CAPLUS

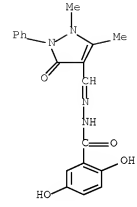
CN Benzoic acid, 4-methoxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



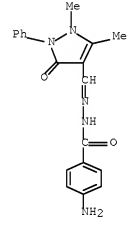
RN 131624-93-6 CAPLUS
CN Benzoic acid, 4-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 131624-94-7 CAPLUS
CN Benzoic acid, 2,5-dihydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 131643-74-8 CAPLUS
CN Benzoic acid, 4-amino-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



L32 ANSWER 56 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1990:425554 CAPLUS Full-text
DN 113:25554
OREF 113:4436h,4437a
TI Heterocyclic 1:1 hydrazone-metal complex pigments for organic polymers and coating materials
IN Cseh, Georg; Lienhard, Paul; Wiedemann, Walter
PA Ciba-Geigy A.-G., Switz.
SO Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 349489	A2	19900103	EP 1989-810485	19890622
	EP 349489	A3	19911016		

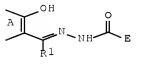
R: CH, DE, FR, GB, IT, LI

US 5066695	A	19911119	US 1989-374321	19890629
JP 02110145	A	19900423	JP 1989-171022	19890701

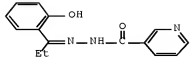
PRAI CH 1988-2514 A 19880701

OS MARPAT 113:25554

GI



I



II

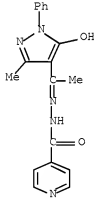
AB The title pigments are 1:1 I (ring A = carbocyclic or heterocyclic aromatic residue; E = carbocyclic aromatic residue, heterocyclic aromatic residue containing ≥1 N atom; R1 = C1-18 alkyl, carbocyclic aromatic residue, heterocyclic residue containing ≥1 N atom; such that ≥1 of A and B are a heterocyclic residue containing ≥1 N atom) transition metal complexes of Ni2+, Cu2+, Zn2+, Fe2+, Mn2+, Co2+, Cd2+, Pt2+, or VO2+, useful for coloring organic polymers, printing inks, and coating materials, are prepared by the condensation of aromatic ketones with aromatic carboxylic acid hydrazides. Thus, 2-hydroxypropiophenone was condensed with nicotinic acid hydrazide forming hydrazone II which was complexed with Ni(OAc)2.4H2O to form a yellow 1:1 II-Ni complex.

IT 127868-81-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and complexation of, with divalent transition metal cations)

RN 127868-81-9 CAPLUS

CN 4-Pyridinecarboxylic acid, [1-(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)ethylidene]hydrazide (9CI) (CA INDEX NAME)



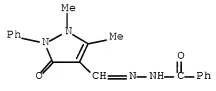
L32 ANSWER 57 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1981:453955 CAPLUS Full-text

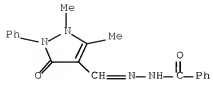
DN 95:53955

OREF 95:8999a,9002a

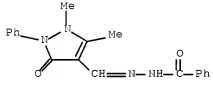
TI Complexes of lanthanide perchlorates with two new "O,N,O" ligands derived from antipyraldehyde and acetic and benzoic acid hydrazides
AU Jagannathan, R.; Soundrarajan, S.
CS Dep. Inorg. Phys. Chem., Indian Inst. Sci., Bangalore, 560 012, India
SO Inorganic and Nuclear Chemistry Letters (1981), 17(3-4), 65-8
CODEN: INUCAF; ISSN: 0020-1650
DT Journal
LA English
AB The preparation of antipyraldehyde 4-acylhydrazones [acyl = acetyl (L), benzoyl (L')] and their lanthanide complexes are described. L and L' act as tridentate O,N,O-ligands in the 9-coordinate complexes [LnL3](ClO4)3.3H2O (Ln = La, Nd, Yb) and [LnL'3](ClO4)3 (Ln = La, Nd, Y).
IT 76644-54-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 76644-54-7 CAPLUS
CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



L32 ANSWER 58 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1981:95054 CAPLUS Full-text
DN 94:95054
OREF 94:15323a,15326a
TI Complexes of lanthanide perchlorates with two new "O,N,O" ligands derived from antipyraldehyde and acetic and benzoic acid hydrazides
AU Jagannathan, R.; Soundararajan, S.
CS Dep. Inorg. Phys. Chem., Indian Inst. Sci., Bangalore, 560 012, India
SO Inorganic and Nuclear Chemistry Letters (1980), 16(9-12), 575-82
CODEN: INUCAF; ISSN: 0020-1650
DT Journal
LA English
AB Antipyraldehyde acetyl- and benzoylhydrazones (L) and their rare earth complexes [LnL3](ClO4)3 were prepared and characterized by chemical anal., electronic, IR, and NMR spectra, and elec. conductivity The ligands are coordinated to Ln via the 2 O atoms and the imine N atom and the complexes are 9-coordinate.
IT 76644-54-7DP, rare earth metal complexes 76644-54-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 76644-54-7 CAPLUS
CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 76644-54-7 CAPLUS
CN Benzoic acid, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)

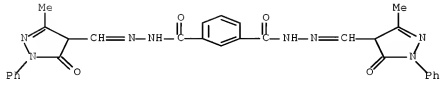


L32 ANSWER 59 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1977:30991 CAPLUS Full-text
DN 86:30991
OREF 86:4961a,4964a
TI Bishydrazide metal complexes
IN L'Eplattenier, Francois; Vuitel, Laurent
PA Ciba-Geigy A.-G., Switz.
SO Ger. Offen., 23 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

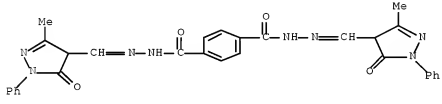
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2556405	A1	19760624	DE 1975-2556405	19751215
	CH 606285	A5	19781031	CH 1974-16813	19741217
	US 3988323	A	19761026	US 1975-640374	19751212
	CA 1074786	A1	19800401	CA 1975-241774	19751215
	FR 2295091	A1	19760716	FR 1975-38422	19751216
	JP 51088538	A	19760803	JP 1975-151175	19751217
PRAI	CH 1974-16813	A	19741217		

GI For diagram(s), see printed CA Issue.
AB Sym. bishydrazides (I, A = benzene, naphthalene, pyridine, quinoline, pyrazole nucleus; Z = phenylene, 2, thiophenediyl; R = H, Ph, Me) were prepared by reaction of Z(CONHNH2)2 with the appropriate hydroxyaryl carbonyl compound, and were subsequently treated with Cu++, Ni++, Ca++, or Cd++ to give 1:1 or 2:1 complexes useful as pigments for PVC [9002-86-2]. For example, 2,1-HOC10H6CHO [708-06-5] and p-C6H4(CONHNH2)2 [136-64-1] in HOAc at 100° gave I(A = napthalene, R = H)(II) [61255-98-9] in 96% yield; treatment of II with 1 or 2 equivalent Cu(OAc)2 in Me cellosolve at 100° gave the 1:1 or 2:1 complex in 89-92% yield. Nineteen addnl. I and 34 other metal complexes were also prepared
IT 61255-91-2D, metal complexes

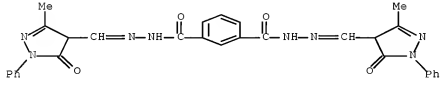
RL: USES (Uses)
(pigments, for PVC)
RN 61255-91-2 CAPLUS
CN 1,3-Benzenedicarboxylic acid, bis[[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)methylene]hydrazide] (9CI) (CA INDEX NAME)



IT 61255-90-1P 61255-91-2P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of)
RN 61255-90-1 CAPLUS
CN 1,4-Benzenedicarboxylic acid, bis[[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)methylene]hydrazide] (9CI) (CA INDEX NAME)



RN 61255-91-2 CAPLUS
CN 1,3-Benzenedicarboxylic acid, bis[[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)methylene]hydrazide] (9CI) (CA INDEX NAME)



L32 ANSWER 60 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1976:510096 CAPLUS Full-text
DN 85:110096
OREF 85:17677a,17680a
TI 1:1 Azomethine-metal complex dyes
IN L'Eplattenier, Francois; Vuitel, Laurent
PA Ciba-Geigy A.-G., Switz.

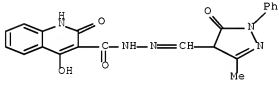
SO Ger. Offen., 24 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2556473	A1	19760701	DE 1975-2556473	19751215
	CH 606284	A5	19781031	CH 1974-16810	19741217
	CA 1070677	A1	19800129	CA 1975-241772	19751215
	FR 2295092	A1	19760716	FR 1975-38423	19751216
	JP 51088539	A	19760803	JP 1975-151176	19751217
	US 4144258	A	19790313	US 1977-840707	19771011
PRAI	CH 1974-16810	A	19741217		
	US 1975-640373	A3	19751212		

GI For diagram(s), see printed CA Issue.

AB Azomethines (I, A = benzene, naphthalene, pyridine, quinoline, benzofuran, pyrimidine, pyrazole residue; B = benzene, naphthalene, quinoline residue) were prepared, isolated, and treated with Cu2+ and Ni2+ salts to give yellow to yellow green 1:1 azomethine pigments, useful for coloring plastics. Thus, a mixture of 2-HOC6H4CONHNH2 [936-02-7] and 2,1-HOC10H6CHO [708-06-5] in HOAc were heated at 100° for 2 hr to give I (A = naphthalene, B = benzene residues) [54009-54-0] which was treated with Cu(OAc)2·2H2O in Me Cellosolve to give 1:1 Cu complex [60265-88-5]. Ni and Cu 1:1 complexes of I were also prepared in a one-pot process.

IT 60256-57-7P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of)
RN 60256-57-7 CAPLUS
CN 3-Quinolinecarboxylic acid, 1,2-dihydro-4-hydroxy-2-oxo-, [(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



L32 ANSWER 61 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1970:31685 CAPLUS Full-text
DN 72:31685
OREF 72:5797a,5800a
TI Pyrazoline-5-one and pyrazolidine-3,5-dione derivatives with antiphlogistic and analgesic activity
AU Nardi, Dante; Massarani, Elena; Magistretti, M. J.
CS Res. Div., Recordati S.a.S., Milan, Italy
SO Arzneimittel-Forschung (1969), 19(10), 1721-3
CODEN: ARZNAD; ISSN: 0004-4172
DT Journal
LA English
GI For diagram(s), see printed CA Issue.

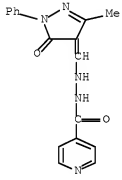
AB The title compds. (I and II) were obtained by condensing primary and secondary amines with 1-phenyl-3-methyl-or, 1,3-diphenyl-4-formylpyrazolin- 5-one, or 1,2-diphenyl-4-formylpyrazolidine-3,5-dione. Thus, the following I were prepared (R, R1 and m.p. given): Me, NHC6H4OH-p, 272-3°; Me, NHC6H4OMe-p, 167-8°; Me, NHC6H4OEt-p, 144-5°; Me, NHC6H4NHAc-p, 213°; Me, NHC6H4CO2Et-p, 173°; me, NHNHCONC5H4, 259-60°; Me, antipyrinylamino, 214-15°; Me, pyrrolidino, 171-2°; Me, piperidino, 188°; Me, morpholino, 136-7°; Me, N4-methylpiperazino, 170°; Me, NHPh, ; Ph, NHC6H4OH-p, 257°; Ph, NHC6H4OMe-p, 137-8°; Ph, NHC6H4OEt-p, 130-1°; Ph, NHC6H4NHAc-p, 237-9°; Ph, NHC6H4CO2Et-p, 145-7°; Ph, antipyrinylamino, 204-5°; Ph, pyrrolidino, 151-2°; Ph, piperidino, 168-9°; Ph, morpholino, 186-7°; Ph, N4-methylpiperazino, 164-5°; and Ph, NHPh, . II prepd were (R and m.p. given): HNC6H4OH-p, 186-8°; HNC6H4OMe-p, 152-3°; NHC6H4NHAc-p, 275°; pyrrolidino, 234-5°; piperidino, 208°; morpholino, 195°, N4-methylpiperazino, 237-8°; NHPh, ; NHC6H4OEt-p, ; NHC6H4CO2Et-p, ; and antipyrinylamino, . Also prepared were III (R, n, m, and m.p. given): Me, 2, 2, 164-5°; Me, 1, 0, 238-9°; and Ph, 2, 2, 163°; and IV. The compds. did not show antipyretic activity, but many exhibited a significant antiinflammatory activity.

IT 4702-86-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 4702-86-7 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)methyl]hydrazide (CA INDEX NAME)



L32 ANSWER 62 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1966:447652 CAPLUS Full-text

DN 65:47652

OREF 65:8891f-g

TI Condensation product of chloromethyl antipyrinyl ketone and isoniazid

AU Ergenc, Nedime

CS Univ. Istanbul

SO Istanbul. Univ. Eczacilik Fak. Mecmuasi (1965), 1(1), 82-9

DT Journal

LA Turkish

GI For diagram(s), see printed CA Issue.

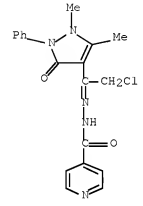
AB A solution of 0.96 g. isonicotinic acid hydrazide in 1:1 EtOH-H2O is heated for 5 min. in a water bath with a solution of 1.85 g. chloromethyl antipyrinyl ketone in PhMe. The orange crystals were washed with CHCl3 and EtOAc to yield 70% title compound I, m. 180-200° (decomposition). The structure of I was confirmed by Cl determination, by iodometric titration of the hydrazide group,

by conversion into the quaternary ammonium iodide, by titration with K3Fe(CN)6, and by mol. weight determination

IT 6822-71-5P, Isonicotinic acid, (1-antipyrinyl-2-chloroethylene)hydrazide
RL: PREP (Preparation)
(preparation of)

RN 6822-71-5 CAPLUS

CN Isonicotinic acid, (1-antipyrinyl-2-chloroethylene)hydrazide (7CI, 8CI) (CA INDEX NAME)



L32 ANSWER 63 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1966:27489 CAPLUS Full-text

DN 64:27489

OREF 64:5065c-g

TI Hydrolysis product from 1-phenyl-3-methyl-4-dimethylaminomethylene-5-pyrazolone

AU Kvitko, I. Ya.; Porai-Koshits, B. A.

SO Zhurnal Obshchei Khimii (1964), 34(9), 3005-13
CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

GI For diagram(s), see printed CA Issue.

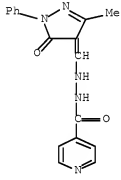
AB cf. CA 61, 14659e. Hydrolysis of 1-phenyl-3-methyl-4- dimethylaminomethylene-5-pyrazolone yields the compound which is known as 1-phenyl-3-methyl-4-formyl-5-pyrazolone (I) (Ridi and Checchi, CA 48, 4522c); however, this name is not correct. Our studies indicate pK 2.94, uv maximum 250, 351, and 435 mμ, constant over a wide range of pH. The compound adds 1 mole Br and reacts readily with R1R2NH, SOCl2, HCl, RCOCl, and CH2N2, indicating the presence of an OH group in the 4-position. With azonium chlorides it forms known dyes (CA 42, 369g). Thus, the compound must have the formula Ia. This structure is supported by ir spectra (Snavely, et al., CA 57, 5904c). A series of derivs. of I was synthesized. To 0.5 g. Ia suspended in 5 ml. CHCl3 and cooled to 0° was added dropwise (over 15 min.) 0.4 g. Br in 3 ml. of CHCl3. The reaction mixture was then stirred 30 min. at room temperature, the product precipitated with petr. ether, filtered off, and washed with C6H6 and Et2O to yield .apprx.61% 1-phenyl-3-methyl-4-bromo-4-bromohydroxymethyl-5- pyrazolone, m. 176-9°. Ia (7.0 g.) was suspended in 60 ml. CHCl3, cooled to 0°, and stirred 2 hrs. with dropwise addition of excess SOCl2 in 40 ml. CHCl3, the stirring continued 1 hr., and the mixture concentrated in vacuo to dryness. The residue was suspended in C6H6, filtered, and the precipitate washed with Et2O

to yield 1-phenyl-3-methyl-4-chloromethylene-5- pyrazolone (II), 81%, m. 152-3°. In another method, 0.5 g. Ia was suspended in 10 ml. MeOH, cooled to 0°, saturated with dry HCl until all solid was dissolved, evaporated to dryness, suspended in anhydrous Et2O, filtered, washed with Et2O, and dried to yield II, 85.5%. Ia (0.5 g.) suspended in 20 ml. absolute Et2O, 0.2 g. pyridine, and then dropwise at room temperature 0.35 g. PhCOCl, added, and allowed to stay at room temperature over-night. The precipitated product was filtered off, washed with H2O until neutral, and dried in a vacuum desiccator to yield 1-phenyl-3-methyl-4- benzoyloxymethylene-5-pyrazolone, 91.5%, m. 112-15°. Attempted recrystallization C6H6 caused decomposition Ia (8.0 g.) in 50 ml. Et2O was cooled to 0° and 60 ml. solution of CH2N2 in Et2O, (obtained from 9.5 g. of nitrosourea) added. After evolution of N ceased, the solvent was removed and the crude product (8.1 g.) distilled at 149-50°/0.5 mm. to yield 3.9 g. 1-phenyl-3-methyl-4-methoxymethylene-5-pyrazolone.

IT 4702-86-7
(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 4702-86-7 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-pyrazol-4-ylidene)methyl]hydrazide (CA INDEX NAME)



L32 ANSWER 64 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1966:27488 CAPLUS Full-text

DN 64:27488

OREF 64:5065b-c

TI Isothiazoles. X. Some sulfonic acid derivatives

AU Pain, D. L.; Parnell, E. W.

CS May Baker Ltd., Dagenham, UK

SO Journal of the Chemical Society (1965), (Dec.), 7283-84
CODEN: JCSOA9; ISSN: 0368-1769

DT Journal

LA English

OS CASREACT 64:27488

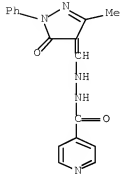
AB cf. preceding abstract 3-Methylisothiazole- and 5-amino-3-methylisothiazole-4-sulfonic acids have been prepared, and the sulfonyl chloride of the former converted into the amide, anilide, and hydrazide. The sulfonyl chloride was also reduced to give the sulfinic acid, from which 3-methylisothiazole-4-sulfinamide was obtained.

IT 4702-86-7
(Derived from data in the 7th Collective Formula Index (1962-1966))

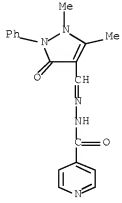
RN 4702-86-7 CAPLUS

CN 4-Pyridinecarboxylic acid, 2-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H-

pyrazol-4-ylidene)methyl]hydrazide (CA INDEX NAME)



L32 ANSWER 65 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1963:419700 CAPLUS Full-text
DN 59:19700
OREF 59:3515e-f
TI Copper complexes with ethylenediamine
AU Stankoviansky, I. S.; Rusina, R.; Faithova, E.
CS Univ. K., Bratislava, Czech.
SO Acts Fac. Rerum Nat. Univ. Comenianae, Chimia (1961), 4, 645-53
DT Journal
LA Slovak
AB In neutral and alkaline aqueous solution [Cu(en)2]++ and [Cu(en)(H2O)2]++ were analyzed polarographically and spectrophotometrically. In alkaline medium, [Cu(en)2]++ predominates, but in acidic medium the equilibrium is shifted toward aquo complexes, e.g., [Cu(H2O)4]++. Water is displaced from the complexes by increasing the en concentration Polarographic half-wave potentials of [Cu(en)2]++ and [Cu(en)(H2O)2]++ were determined
IT 101721-56-6P, Isonicotinic acid, (antipyrinylmethylene)hydrazide, Cu complex
RL: PREP (Preparation)
(preparation of)
RN 101721-56-6 CAPLUS
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide (6CI) (CA INDEX NAME)

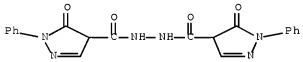


√L32 ANSWER 66 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1133383		19620719	DE 1960-B60409	19601209
PRAI	DE		19601209		

RN 94464-89-8 CAPLUS

CN Hydrazine, 1,2-bis[(5-oxo-1-phenyl-2-pyrazolin-4-yl)carbonyl]- (7CI) (CA INDEX NAME)



√

L32 ANSWER 67 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1960:68904 CAPLUS Full-text

DN 54:68904

OREF 54:13267e-f

TI The amine oxides of biologically active compounds. IV. The bacteriostatic action in vitro of amine oxides of isonicotinic and nicotinic acid derivatives

AU Porebska, Alicja; Zemburowa, Krystyna; Gorczyca, Maria

CS Acad. Med. Kracow, Kracow, Pol.

SO Dissertationes Pharmaceuticae (1959), 11, 315-20
CODEN: DIPHAH; ISSN: 0301-1615

DT Journal

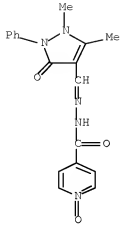
LA Unavailable

AB cf. CA 52, 6337h. The in vitro bacteriostatic action (special reference to tuberculostatic action) of derivs. of the N-oxide of isonicotinic acid and nicotinic acid of the types hydrazones with aldehydes and ketones and acyl- or aryl-thiosemicarbazides is much weaker than that of the parent substances.

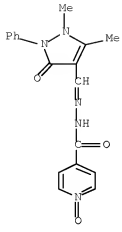
IT 101721-58-8
(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 101721-58-8 CAPLUS

CN Isonicotinic acid, (antipyrinylmethylene)hydrazide, 1-oxide (6CI) (CA INDEX NAME)



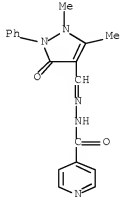
L32 ANSWER 68 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1960:68903 CAPLUS Full-text
DN 54:68903
OREF 54:13267c-e
TI Fractionation of the system bringing about oxidative phosphorylation in Azotobacter vinelandii
AU Hovenkamp, H. G.
CS Univ. Amsterdam
SO Nature (London, United Kingdom) (1959), 184(Suppl. No. 7), 471
CODEN: NATUAS; ISSN: 0028-0836
DT Journal
LA Unavailable
AB cf. CA 53, 20271f. Centrifugation at 50,000 g for 30 min. fractionated a suspension of particles from A. vinelandii reversibly inactivated as to respiratory phosphorylation by exposure to lowered salt concns. Restoration of this activity by adding back salts required preincubation of the sediment, which contained 85-90% of the reduced diphosphopyridine nucleotide oxidase activity, with the supernatant and 0.008M MgCl2. The restorative factor in the supernatant was destroyed by heating at 100° for 5 min.
IT 101721-58-8
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 101721-58-8 CAPLUS
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide, 1-oxide (6CI) (CA INDEX NAME)



L32 ANSWER 69 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1959:105580 CAPLUS Full-text
DN 53:105580
OREF 53:18966i,18967a
TI 4-Formylantipyrine isonicotinylhydrazone
IN Nitta, Yoshihiro; Shiota, Jitsuho
PA Chugai Drug Manufg. Co.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 33005732	B4	19580730	JP	

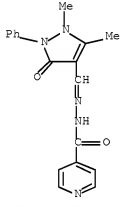
AB 4-Formylantipyrine (21.6 g.) and 14 g. 4-H2NNHCOC5H4N in 150 ml. EtOH were refluxed 30 min. and the solution cooled to give 30 g. title compound, needles, m. 249-50°. The product showed growth inhibition of Mycobacterium tuberculosis (human type) at the dilution of 1:640,000-1:1,280,000.
IT 101721-56-6P, Hydrazine, 1-(antipyrinylmethylene)-2-isonicotinoyl-
RL: PREP (Preparation)
(preparation of)
RN 101721-56-6 CAPLUS
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide (6CI) (CA INDEX NAME)



L32 ANSWER 70 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1959:105579 CAPLUS Full-text
DN 53:105579
OREF 53:18966h-i
TI Mixed citrate
IN Kallischnigg, Rolf; Leube, Erwin
PA Knoll A.-G. Chemische Fabriken
DT Patent
LA Unavailable
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 1008295		19570516	DE 1954-K21537	19540319

AB 4-(N-Phenylbenzylamino)-1-methylpiperidine (28 g.), 15.5 g. 1-cyclohexyl-2-methylaminopropane, and 21.2 g. citric acid monohydrate was dissolved in 150 cc. warm Me2CO and the resulting salt allowed to crystallize to give a nearly quant. yield of the corresponding citrate C19H24N2.C10H21N.C6H8O7, m. 88-90°, which exhibits synergistic acitivity to antihistaminics.
IT 101721-56-6P, Antipyraldehyde, isonicotinoylhydrazone
RL: PREP (Preparation)
(preparation of)
RN 101721-56-6 CAPLUS
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide (6CI) (CA INDEX NAME)



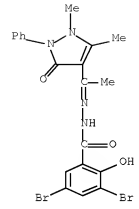
L32 ANSWER 71 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1957:85704 CAPLUS Full-text
DN 51:85704
OREF 51:15512i,15513a-f
TI The Michael addition of 2-picolyl-2-ketones
AU Beyer, Hans; Lassig, Wolfgang; Schudy, Gerhard
CS Univ. Greifswald, Germany
SO Chemische Berichte (1957), 90, 592-8
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA Unavailable
OS CASREACT 51:85704

AB The reaction of 2-pyridylacetone (I), 2-phenacylpyridine (II), and deoxypyridoin (III) with acrylonitrile (IV), MeCOCH:CH2 (V), and PhCH:CHCOMe (VI) has been studied. In general, IV, V, or VI in EtOH is added to I, II, or III in 10-20 cc. absolute EtOH containing a few platelets of KOH at below 60° and, after the initial reaction has subsided, the mixture is heated 5 min. on an H2O bath. The reaction mixture of 58 g. I and 24 g. IV is poured into 5 times its volume of H2O, 9 g. γ-(2-pyridyl)- 2-γ-acetylpimelic acid dinitrile (VII) filtered off, the filtrate acidified, washed with Et2O, made alkaline, and extracted with Et2O or CHCl3, and the residue of the dried extract distilled, giving 44.5% γ-(2- pyridyl)γ-acetylbutyric nitrile (VIII), b15 188-92°, m. 34°; it gives a blue-green color with FeCl3 [phenylhydrazone (PH), needles, m. 180.5-1° (decomposition); picrate, shiny yellow leaflets, m. 124-5° (decomposition)]. Similarly, 15 g. I and 32 g. IV yield 82% VII, needles, m. 111.5°; 9.4 g. VIII and 5.3 g. IV give 85% VII (PH, small rods, m. 161°; picrate, stout yellow columns, m. 134° (decomposition). Refluxing 1.9 g. VIII 0.5 hr. with 6 cc. concentrated H2SO4, diluting the mixture with 50 cc. H2O, neutralizing it with Na2CO3, and extracting with CHCl3 give 83.5% γ-(2-pyridyl)γ-acetylbutyric acid (IX), clusters of crystals, m. 121°. Adding dropwise 5.3 g. IV in 10 cc. absolute EtOH to 23.3 g. II.HCl and 8 g. KOH in 30 cc. absolute EtOH, adding H2O, and extracting with Et2O yield 48% γ-Bz analog of VIII, rhombic plates, m. 75°, which, saponified, gives 89% Bz analog (X) of IX, rhombic leaflets, m. 134-5° (PH, m. 161°). Boiling 1.35 g. X with 2.8 g. KOH in 2 cc. H2O until colorless, neutralizing the mixture with 50 cc. N HCl, filtering off the BzOH, and extracting the residue of the evaporated filtrate with C6H6 yield 79% γ-(2-pyridyl)butyric acid, m. 85°. Treating 4 g. III with 2.1 g. IV gives 51% γ-(2-pyridyl)γ-(2-pyridoyl)butyric acid nitrile, stout rhombs, m. 72°, which, saponified, yields 90% free acid, needles or leaflets, m. 108°. Treating 27 g. I with 18 cc. V gives 3-methyl-6-(2-pyridyl)-2-cyclohexen-1-one (XI), b12 154°; it gives a blue-green color with FeCl3 [PH, needles, m. 151-2° (decomposition); picrate, rhombic yellow leaflets, m. 111-12° (decomposition)]. Heating 7.5 g. XI with 2 g. S 45 min. at 180°, extracting the mixture with Et2O, and distilling the residue of the extract yield 34% 3-methyl-6-(2-pyridyl)phenol, b2 155-60°, needles, m. 50°; it gives a blue-violet color with FeCl3 [picrate, stout rhombic needles, m. 197° (decomposition)]. Treating 9.5 g. I with 14.5 g. VI yields 77% 3,5-diphenyl-6-(2-pyridyl)-2- cyclohexen-1-one (XII), shiny orange-yellow leaflets, m. 152°; green color with FeCl3 [picrate, long yellow needles, m. 184° (decomposition); di-Br addition compound, prepared with Br-AcOH in AcOH, needles, m. 206-7°]. Heating 1.6 g. XII and 1 g. Se 2-3 hrs. at 200-50°, extracting the melt with EtOH, and concentrating the extract give 44% 3,5-diphenyl-6-(2-pyridyl)phenol, yellowish needles, m. 157.5°, violet color with FeCl3. Treating 4.6 g. II.HCl with 1.5 g. KOH and 1.5 g. V and extracting the mixture with Et2O yield 5-(2-pyridyl)-5-benzoyl-2- pentanone, needles, m. 166°. Similarly, 4 g. III and 3.5 g. V give 65% 5-(2-pyridyl)-5-(2-pyridoyl)-2-pentanone, rhombs, m. 151°; 11.7 g. II.HCl and 5 g. KOH in 50 cc. EtOH and 10.4 g. VI in 50 cc. EtOH yield 69% β-phenyl-γ-(2-pyridyl)-γ-benzoylbutyrophenone, needles, m. 188°; 3.2 g. III and 3.35 g. VI give 71% β-phenyl-γ-(2-pyridyl)-γ-(2-pyridoyl)butyrophenone, needles, m. 196-7°.

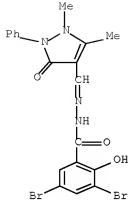
IT 102002-34-6P, Hydrazine, 1-(1-antipyrinylethylidene)-2-(3,5-dibromosalicyloyl)-
RL: PREP (Preparation)
(preparation of)

RN 102002-34-6 CAPLUS

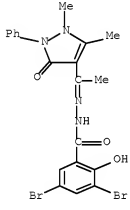
CN Salicylic acid, 3,5-dibromo-, (1-antipyrinylethylidene)hydrazide (6CI) (CA INDEX NAME)



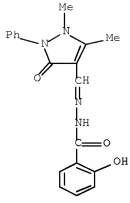
L32 ANSWER 72 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1957:85703 CAPLUS Full-text
DN 51:85703
OREF 51:15512g-i
TI Synthesis of tuberculostatic compounds. V. Synthesis of some new hydrazones of salicylic acid hydrazide and 3,5-dibromosalicylic acid hydrazide
AU Klosa, Josef
CS ASAL Sci. Lab., Berlin
SO Arch. Pharm. (1955), 288, 49-52
DT Journal
LA Unavailable
AB cf. C.A. 51, 8086b, 14690f. The following new hydrazones of salicylic acid hydrazide were prepared (reactant and m.p. given): anisaldehyde, 218-19°; salicylaldehyde, 274-6°; cinnamaldehyde, 237°; vanillin, 215°; crotonaldehyde, 190-2°; furfural, 225-7°; antipyraldehyde, 214-16°; Me2CO, 231-2°; EtCOMe, 150°; cyclohexanone, 212-13° (decomposition); PhAc, 208-10° (decomposition); acetylantipyrine, 295°. The following new hydrazones of 3,5-dibromosalicylic acid hydrazide were prepared (reactant and m.p. given): BzH, 236°; anisaldehyde, 238°; salicylaldehyde, 200°; cinnamaldehyde, -; vanillin, 220°; furfural, 232°; antipyraldehyde, 242°; Me2CO, 204°; cyclohexanone, 182°; 4-acetylantipyrine, 228°. All compds. showed slight in vitro tuberculostatic activity.
IT 101868-30-8P, Hydrazine, 1-(antipyrinylmethylene)-2-(3,5-dibromosalicyloyl)- 102002-34-6P, Hydrazine, 1-(1-antipyrinylethylidene)-2-(3,5-dibromosalicyloyl)- 102017-61-8P, Hydrazine, 1-(antipyrinylmethylene)-2-salicyloyl- 102157-96-0P, Hydrazine, 1-(1-antipyrinylethylidene)-2-salicyloyl-
RL: PREP (Preparation)
(preparation of)
RN 101868-30-8 CAPLUS
CN Benzoic acid, 3,5-dibromo-2-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



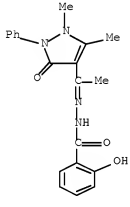
RN 102002-34-6 CAPLUS
CN Salicylic acid, 3,5-dibromo-, (1-antipyrinylethylidene)hydrazide (6CI) (CA INDEX NAME)



RN 102017-61-8 CAPLUS
CN Benzoic acid, 2-hydroxy-, [(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylene]hydrazide (9CI) (CA INDEX NAME)



RN 102157-96-0 CAPLUS
CN Salicylic acid, (1-antipyrinylethylidene)hydrazide (6CI) (CA INDEX NAME)



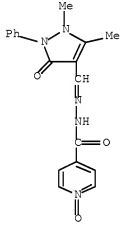
L32 ANSWER 73 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1957:81463 CAPLUS Full-text
DN 51:81463
OREF 51:14721b-f
TI Aminooxides of physiologically active compounds. I. Aminooxides of isonicotinic acid derivatives
AU Eckstein, Marian; Gorczyca, Marian; Kocwa, Aleksander
CS Zaklad Chem. Farm. Akad. Med., Krakow
SO Dissertationes Pharmaceuticae (1956), 8, 239-47
CODEN: DIPHAH; ISSN: 0301-1615
DT Journal
LA Unavailable
AB N-oxide (10 g.) of isonicotinic acid (prepared according to Ghigi, C.A. 37, 47346) crystallized from MeOH, m. 264-6°, dissolved in 200 ml. anhydrous alc., refluxed 2-3 (3-6) hrs. with chlorhydrate or concentrated H_2SO_4, made basic with Na_2CO_3, extracted with 100 ml. CCl_4, dried over anhydrous K_2CO_3, and recrystd. from C_6H_6 yielded a crystalline mass (I), m. 65-9°. A .01M solution I treated with 1.3 ml. $H_2NNH_2.H_2O$, heated 5 min. on H_2O bath, cooled, 5 ml. EtOH added, filtered off, and recrystd. from EtOH gave N-oxide of isonicotinic

acid hydrazide (II), m. 219° which had a LD50 of 1675 mg./kg. for mice (20-25 mg.) when injected intraperitoneally. The aldehydes of II prepared in MeOH or EtOH included (compound given): cinnamic acid, m.244° [from 90% EtOH (III)]; 2-nitrocinnamic acid, m. 277° [from boiling H2O and EtOH (IV)]; 2-hydroxybenzoic acid, m. 272° (from III); 4-hydroxybenzoic acid, m. 288-90° (from IV); 4-methoxybenzoic acid, m. 255° (from III); 2-nitrobenzoic acid, m. 296-7° (from IV); 3-nitrobenzoic acid, m. 284-5° (from IV); 4-nitrobenzoic acid, m. 274-6° (from IV); 4-chlorobenzoic acid, m. 279-80° (from III); 2-carboxybenzoic acid, m. 203-4° (anhydrous) [from 50% EtOH] (V) and, m. 170° (containing H2O of crystallization); 4-acetylaminobenzoic acid, m. 291-2° (from III); 4-dimethylaminobenzoic acid, m. 238-9° (from 90% EtOH); 2-hydroxy-5-bromobenzoic acid, m. 282-3° (from AcOH and H2O); 3-methoxy-4-hydroxybenzoic acid, m. 285-7° (from AcOH); 2,3-dimethoxybenzoic acid, m. 254-5° (from AcOH); 2,5-dimethoxybenzoic acid, m. 236-7° (from III); 3,4-methyl-enodioxybenzoic acid, m. 268-9° (from III); 1-naphthoic acid, m. 258-9° (from III); 2-hydroxy-1-naphthoic acid m. 285-6° (from IV); 2-ethoxy-1-naphthoic acid, m. 227-8° (from V); furfural, m. 243-4° (from 96% MeOH); 4-formylantipyrine, m. 270-1° (from V); the ketone derivative included iso-BuCOMe, m. 167-9° (from 90% MeOH); the diacetyl, m. 308-10° (from H2O). 28 references.

IT 101721-58-8
(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 101721-58-8 CAPLUS

CN Isonicotinic acid, (antipyrinylmethylene)hydrazide, 1-oxide (6CI) (CA INDEX NAME)



L32 ANSWER 74 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1956:74061 CAPLUS Full-text

DN 50:74061

OREF 50:13939g-i,13940a-c

TI Syntheses of pyrazolone derivatives. I. Synthesis of 4-formylantipyrine and some of its reactions

AU Ito, Isoo

CS Nagoya City Univ.

SO Yakugaku Zasshi (1956), 76, 167-9
CODEN: YKKZAJ; ISSN: 0031-6903

DT Journal

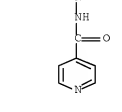
LA Unavailable

AB HCONMe2 (14.6 g.) and 37.6 g. antipyrine (I) at 0° treated with 33.75 g. POCl3, heated 3 hrs. on a water bath, and the product decomposed with ice water, made alkaline with NaHCO3, and extracted with CHCl3 gave 28.1 g. 4-formylantipyrine, (II), columns, m. 162°. HCONMePh (2.7 g.), 3.76 g. I, and 3.27 g. POCl3 heated 3 hrs. on a water bath and the product treated as above gave 2.3 g. II. II (1.08 g.) and 1.04 g. CH2(CO2H)2 in 3 ml. C5H5N and 3 drops of piperidine heated 8 hrs. at 130°, the product acidified with HCl, filtered, washed with Et2O, and recrystd. from 50% EtOH gave 0.52 g. β-(4-antipyryl)acrylic acid, needles, m. 210-1° (decomposition). MeNO2 (4 g.), 0.12 g. MeNH2.HCl, 0.048 g. Na2CO3, and 4 ml. EtOH let stand 3 days at 0° and the product filtered gave 1.1 g. 4-(2-nitrovinyl)antipyrine, granules, m. 160-60.5°. II (1.08 g.), 0.96 g. BzNHCH2CO2H, 0.4 g. AcONa, and 1.5 g. Ac2O heated 2 hrs. on a water bath, heated with EtOH, the solution filtered and the filtrate cooled gave 0.9 g. 2-phenyl-4-antipyrylmethylene- 5-oxazolone, needles, m. 224° (decomposition). II (0.54 g.), 0.34 g. dioxopiperazine, 0.32 g. fused AcONa, and 0.5 g. Ac2O heated 8 hrs. at 140°, the product in hot EtOH filtered and recrystd. from EtOH gave 0.51 g. 3-(4-antipyrinylmethylene)-2,5-piperazinedione, leaves, m. 263-4° (from EtOH). I (2.16 g.), 0.91 g. H2NNHCSNH2, and 50% EtOH heated 2 hrs. on a water bath gave 2.7 g. II thiosemicarbazone, plates, m. 229° (decomposition). 4-H2NHNOCC5H4N(2.16g.), 3 drops piperidine, and 15 ml. EtOH heated 3 hrs. on a water bath gave 3.1 g. II isonicotinylhydrazone, needles, m. 263° (decomposition). Me antipyrate (5 g.), 2.3 g. 65% N2H4.H2O, and 3 drops piperidine heated 2 hrs. on a water bath gave 4.2 g. antipyric acid hydrazide (III), columns, m. 200-1°. III (1.23 g.), 1.08 g. II, 10 ml. EtOH, and 3 drops piperidine heated 6 hrs. on a water bath gave 1.8 g. antipyric acid antipyrinylmethylenehydrazide, granules, m. 232-3°. II (1.08 g.), 0.12 g. NaCN, and 5 ml. 5% EtOH heated 3 hrs. on a bath gave 0.3 g. insol. 4-(β-antipyrinylacryloyl)-1-phenyl-2-methyl-5-pyrazolone, prisms (IVa), m. 258°, and the mother liquor gave 0.05 g. 4-acetyl-1-phenyl-2-methyl-5-pyrazolone (IV), needles, m. 218°. II (5 g.) in 15 ml. 5% NaOH heated 2 hrs. on a water bath, allowed to stand overnight, and the product filtered gave 4.1 g. IV and 0.28 g. hot water-insol. IVa, m. 258°. IV(1 g.), 0.5 g. BzH, and 5 ml. 5% NaOH heated at 60° gave 4-cinnamoyl-1-phenyl-2-methyl-5-pyrazolone, granules, m. 234° (decomposition).

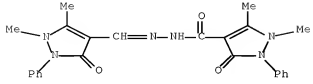
IT 101721-56-6P, Isonicotinic acid, (antipyrinylmethylene)hydrazide
58209-36-6P, Hydrazine, 1-(antipyrinylmethylene)-2-antipyroyl-
RL: PREP (Preparation)
(preparation of)

RN 101721-56-6 CAPLUS

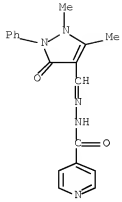
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide (6CI) (CA INDEX NAME)



RN 858209-36-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



L32 ANSWER 75 OF 75 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1956:1514 CAPLUS Full-text
DN 50:1514
OREF 50:329c-e
TI Several isonicotinylhydrazones
AU Efimovsky, Olga; Rumpf, Paul
SO Bulletin de la Societe Chimique de France (1954) 1401-4
CODEN: BSCFAS; ISSN: 0037-8968
DT Journal
LA Unavailable
OS CASREACT 50:1514
AB Condensation of isonicotinic hydrazide (I) with equimolar quantities of the following resp. carbonyl compds. gave the following isonicotinoylhydrazones (I) (parent carbonyl compound and m.p. of I given): citral, 134°; 2-methyl-4-hydroxy-5-isopropylbenzaldehyde, 253°; 1-phenyl-2,3-dimethyl-4-formyl-5-pyrazolone, 270.5°; 5,5-dimethyl-1,3-cyclohexanedione (C14H17N2O2), 252°; p-O2NC6H4COMe, 291° (281-2° given by Sah and Peoples, C.A. 48, 13789b); 2,5-HO(Cl)C6H3CHO, 245° (232° given by Buu-Hoi, et al., C.A. 48, 7580b); 3,4-MeO(HO)C6H3CHO 231° (219-20° given by Shchukina, et al., C.A. 46, 10431h); p-HOC6H4CHO, 297°. Condensation of I with pyruvic acid gave a product, m. 227° (decomposition) which after drying at 80° for several hrs. in vacuo underwent alteration according to elemental anal. Prepns. were described for aspartic acid dihydrazide, m. 179-80° (135° given by Curtius and Jansen, C.A. 12, 1770) and the monohydrazide, m.p. 182°. The compds. were examined for tuberculostatic activity.
IT 101721-56-6P, Hydrazine, 1-(antipyrinylmethylene)-2-isonicotinoyl-
RL: PREP (Preparation)
(preparation of)
RN 101721-56-6 CAPLUS
CN Isonicotinic acid, (antipyrinylmethylene)hydrazide (6CI) (CA INDEX NAME)



STN INTERNATIONAL SESSION SUSPENDED AT 10:54:30 ON 12 JUN 2008